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Brookline Police Department (BPD) - Snapshot

- Suburb of Boston, MA
- 58,000 residents / average household income \$92K/year
- 140 sworn officers
- 16 full-time civilian dispatch staff
- 24 full-time civilian support staff
- Major crimes include: Larceny/theft, burglary, assault
- Primary calls: Building checks, medical, traffic, alarm
- Majority of sworn officers have advanced degrees (masters)





BPD Mobile Networking Need

- Prior to 4.9 network, BPD utilized Verizon air-cards
 - Limited data speeds
 - Unreliable coverage/service in patrol sectors 7, 8, and 9 (i.e., south part of town)
 - Officer distrust in reliability of air-cards
 - Initial cost of air-cards
 - Recurring costs of air-card cellular service
 - Officers uploading reports via desktops at department



Brookline Wireless Decision

- Improve public safety
- Improve municipal operations
- Economic development
 - Free hot spots
 - Commercial districts
 - Public parks
 - Digital lifestyle
- Community development
 - Closing the “digital divide”
 - Access to municipal resources
- Increases broadband competition



4.9 GHz Licensed Public Safety Frequency

- Dedicated frequency spectrum for public safety and first responders
 - Licensed – more secure with less interference
- Integrate 2.4 GHz (Wi-Fi) and 4.9 in the same unit
 - Cost of building only one network



Public Safety Applications

- Public Safety's 4.9 System
 - Wireless LAN access for agencies
 - Uploading reports, accessing criminal databases
 - Downloading video and images
 - Special event communications and monitoring, setting up on-the-fly Incident Command Center
 - Video surveillance and on-scene cameras
 - Mobile data: Laptops, handhelds, and PDA's
- Access to GIS data in the field
 - Building schematic download (public buildings, schools)
 - Vehicle tracking: Automatic vehicle locaters

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communications



Building Features

Alarm and Monitoring Systems

Closed Circuit Cameras No

Security Alarm System Yes

Fire Alarm System Yes

Knox Box Yes Right of Door 1

Motion Detection Devices No

Communication Systems

Cable TV Access Yes

Intercom System Yes

Portable Radios Yes Key staff and custodians have Nextels

Phones in Rooms Yes

Hazards

Hazardous Materials No

Building Systems

Electrical Shutoff Yes Basement Level, See plan

Gas Shutoff Yes Side C, Right of Door 14

Water Shutoff Yes Basement Level, See plan

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Baker.pdf - Adobe Reader
File Edit View Document Tools Window Help
7 / 17 63.8% Find

Brookline Public Schools
Edith C. Baker School
205 Beverly Road
Chestnut Hill, MA 02467
For Official Use Only

Side A Photographs

Side A, Door 1 with Knox Box

Side A, Door 2

Side A, Facing Door 1

Side A, Door 3

BeSafe
Be Proactive. Be Prepared.

Side A Photos 7

3:28 PM
9/30/2011

The image shows a screenshot of an Adobe Reader window displaying a PDF document. The document is titled "Baker.pdf" and is currently on page 7 of 17, zoomed in at 63.8%. The main content of the page is a set of photographs of the Edith C. Baker School, located at 205 Beverly Road, Chestnut Hill, MA 02467. The photographs are arranged in a grid and are labeled as "Side A Photographs". The labels for the photos are: "Side A, Door 1 with Knox Box", "Side A, Door 2", "Side A, Facing Door 1", and "Side A, Door 3". At the bottom of the page, there is a "BeSafe" logo with the tagline "Be Proactive. Be Prepared." and a small page number "7". The Windows taskbar is visible at the bottom of the screenshot, showing the time as 3:28 PM on 9/30/2011.

Photos covering all angles of the building

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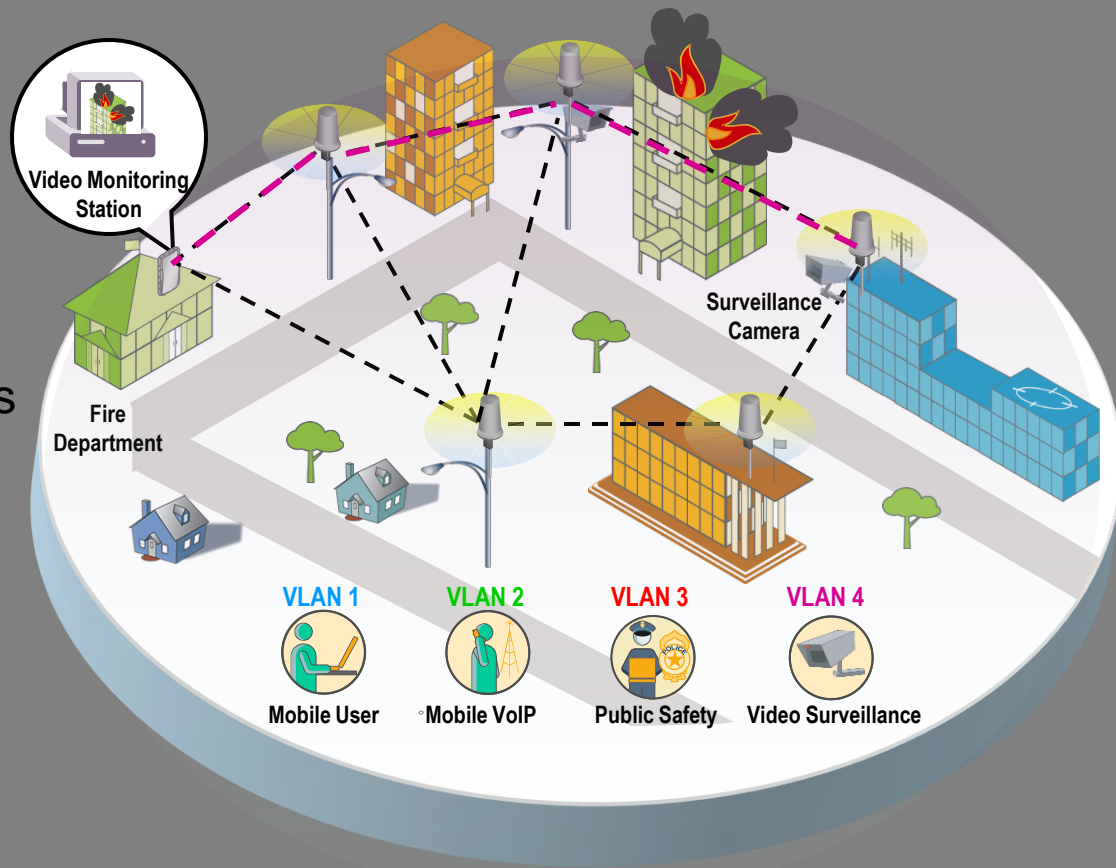
What Does It Look Like





Infrastructure Topology

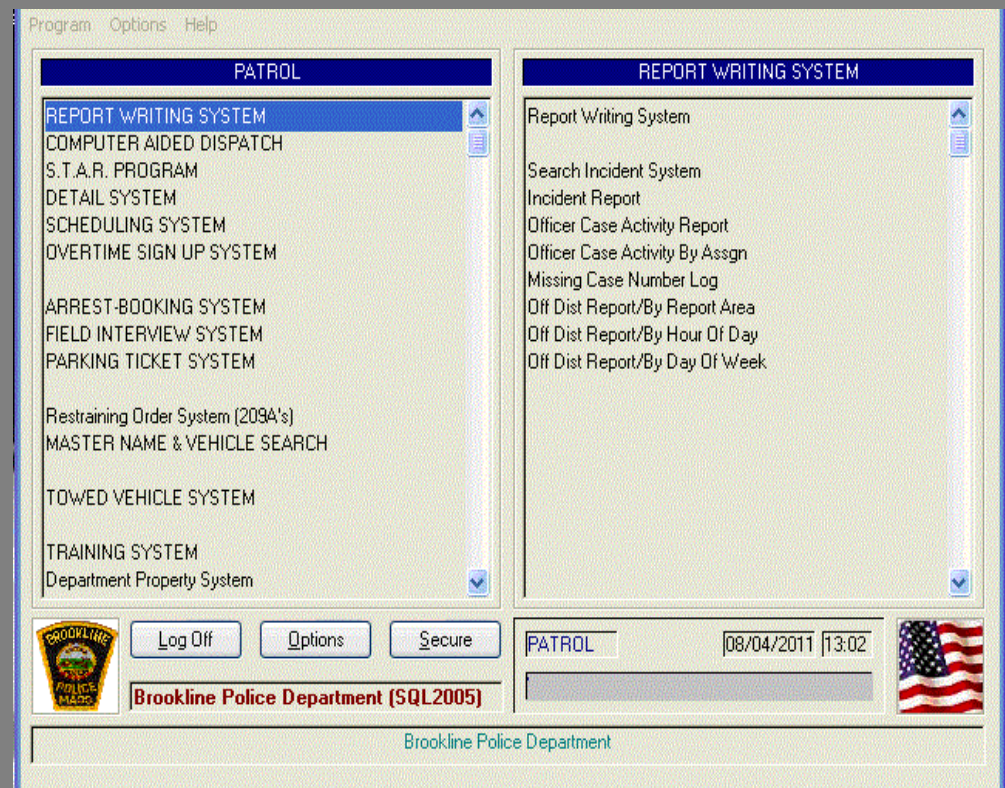
- Flexible Service Delivery
 - 5 GHz mesh backhaul
 - 2.4 and 4.9 GHz Wi-Fi access
 - Transparent network infrastructure
- Supports Multiple Applications
 - Data access
 - Video surveillance
 - Voice over IP (VoIP)
 - Mobility
- Network Segmentation for Multiple User Groups
 - Virtual LANs
 - Traffic prioritization
 - Traffic filtering





4.9 Network Operational Programs - Larimore

- Incident/Accident Reporting
- Arrest/Booking Management
- Field Interview
- NIBRS
- Case Management
- Property/Evidence Tracking
- Warrant System
- Restraining Order
- Citation
- Personnel
- Scheduling
- Training
- Equipment Management





Larimore – CAD and STAR

- Computer-Aided Dispatch (CAD)
 - Streaming calls for service through mobile terminal
- Situation Analysis and Response (STAR)
 - Records and monitors daily activities
 - Substantiates efforts in response to citizen complaints

Program Options Help

Police Fire Jur. BK
 EMS Other 08/04/2011 12:54

Session ID - 073000-1 Scrn 00/00
 Stk- 000 Act- 007 Dly- 00

Call Type	Area	Location	Time	Pr	Additional Info	Case No.
MEDICAL EMERGENCY	337	99 PARK ST (105C)	12:14	1	A-93 P-10	004424
COMMUNITY POLICING	1	345 HARVARD ST	12:22	7	541	
COURT ON DUTY	4	360 WASHINGTON ST [DISTRICT C...	08:50	9	1050	
OUT OF SERVICE/MEAL	4	350 WASHINGTON ST [BFD1]	12:04	9	1A35	
OUT OF SERVICE/MEAL	4	350 WASHINGTON ST [BFD1]	12:27	9	551	
OUT OF SERVICE/MEAL	4	350 WASHINGTON ST [BFD1]	12:31	9	545	
OUT OF SERVICE/MEAL	4	350 WASHINGTON ST [BFD1]	12:44	9	544	

Take Call/F1 Self Init/F2 Assign Call/F3 Asgn Backup/F4 Unit Status/F5
 Traffic Stop/F6 Unit Trans/F7 Command/F11 Asgn Case No/F8 Vw Act Call/F9
 X Functions/F12 Exit CAD

LEAPS MDC E911 LEAPS Bulletins Messages Mapping Monitor
 STK ACT DLY Active None Zoom Reset Up Dw Sw

Program Record Options Help

SAR No.	Label	Jur	Area	Situation	Status
2011-0000033	RED SOX PARKING 2011	BK	OTHER	PARKING-COMPLAINT	ACTIVE - OPEN
2011-0000046	OUIL GRANT	BK	OTHER	TRAFFIC ENFORCEME...	ACTIVE - OPEN
2011-0000047	PBU	BK		OTHER	ACTIVE - OPEN
2011-0000053	BICYCLE ENFORCEME...	BK		OTHER	ACTIVE - OPEN
2011-0000060	(LAST HALF) M V BRE...	BK		B&E/MV	ACTIVE - OPEN
2011-0000061	DAY TRAFFIC AUGUST...	BK	OTHER	TRAFFIC ENFORCEME...	ACTIVE - OPEN
2011-0000062	FIRST HALF TRAFFIC ...	BK	OTHER	TRAFFIC ENFORCEME...	ACTIVE - OPEN
2011-0000063	LAST HALF TRAFFIC A...	BK	OTHER	TRAFFIC ENFORCEME...	ACTIVE - OPEN
2011-0000064	(1ST HALF) COMMUNI...	BK	OTHER	OTHER	ACTIVE - OPEN
2011-0000065	(LAST HALF) RESIDEN...	BK		B&E/RESIDENTIAL	ACTIVE - OPEN
2011-0000066	BROOK ST AREA	BK	SECTOR 2	EXCESSIVE NOISE	ACTIVE - OPEN
2011-0000067	LAST HALF COMMERC...	BK		B&E/COMMERCIAL	ACTIVE - OPEN

Print Abstract Filter New View Save Delete Cancel
 Back



4.9 Network Operational Programs - Interact

- Application allowing officers to view/access data
- Multiple data sources populate Interact
- NCIC
- Criminal history
- NCIC arrests/encounters
- Query vehicles
- Warrants
- Intel / CompStat reports
- BSAFE building plans

A screenshot of the Interact software interface. The window title is "File Edit View Window Help". The menu bar includes "DyNt", "Login", "Help", "Stat", "Read", "Mail", "Talk", "Annc", "Disp", "NCIC", "Sumr", "Form", "Info", "TTY", and "CCIS". Below the menu bar is a toolbar with icons for F1-PLATE, F2-PERSON, F3-R1, F4-R3, F5-R5/R6, F6-R7/R8, F7-ARTICLE, F8-BOATS, F9-GUN, F10-Q2, F11-QA/QG/QS, and CTRL_F1-Q5. The main content area is titled "Vehicle Inquiries" and contains a form with the following fields: PLATE (text input), STATE (dropdown menu showing "MA"), YEAR (dropdown menu showing "2011"), TYPE (dropdown menu showing "PC"), M/V STOP LOCATION (text input), REMARKS (text input), NLETS ONLY [X] (checkbox), PHOTO (dropdown menu showing "N"), OR (text input), VIN (text input), VEHICLE YEAR (text input), VEHICLE MAKE (text input), PURPOSE (text input), ATTENTION (text input showing "SWILDER"), and a Submit button.



4.9 Network Operational Programs - PSnet

- PSnet is intended to meet the networking needs of any agency providing public safety services in the metropolitan Boston area, and to integrate emergency communications on a regional basis
- PSnet is open to municipal, regional, state, federal, and nongovernmental agencies and organizations with a public safety function
- Currently utilized by 9 municipalities within Boston region
- Allows for inter-agency data/information sharing
- Enhances information available through 4.9ghz network



Questions?

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- Brookline Police Department
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- Office : 617-730-2259